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(54) Title: METHOD AND APPARATUS FOR PRODUCING MICRO EMULSIONS

(57) Abstract: This invention relates to preparation of micro emulsions having a controlled size. It provides methods, measures, apparatus and products produced by the methods. The method is particularly suitable for preparing micro emulsions of water containing one or more ionic species in an oil and/or dense fluid phase such as CO₂ containing fluids under near or supercritical conditions, thereby enabling the use of said dense fluids as solvents for extraction of ionic species, as nano-reactor templates and/or as a carrier for further processing such as deposition on a solid material and/or in a process for producing fine particles, such as particles in the nano- or micrometer range.